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(71) Applicant (for all designated States except US): ENO-MATIC S.R.L. [IT/IT]; Vicolo della Rocca, 3, I-53011 Castellina in Chianti (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GOSI, Riccardo [IT/IT]; Via XX Luglio, 47, I-50020 Panzano in Chianti (IT). TORRI, Guido [IT/IT]; Via Palombara, 36, I-47853

Coriano (IT). DEGL'INNOCENTI, MARCO [IT/IT]; Via Caponsacchi, 48, I-50126 Firenze (IT). BENCISTA', Lorenzo [IT/IT]; Viale Rosa Libri, 42, I-50022 Greve in Chianti (IT).

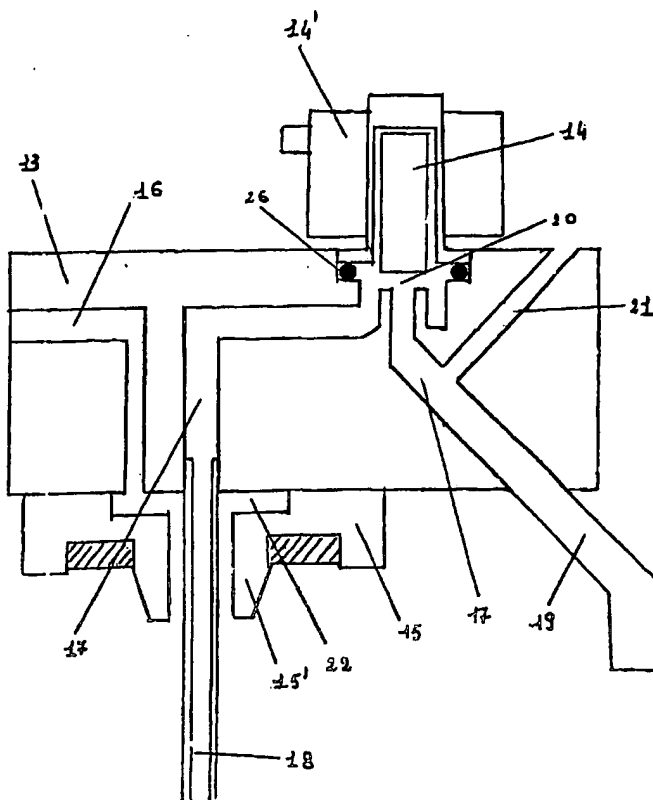
(74) Agent: GERVASI, Gemma; Notarbartolo &amp; Gervasi S.P.A., Corso di Porta Vittoria, 9, I-20122 Milano (IT).

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(54) Title: BEVERAGE DISPENSER



(57) Abstract: An apparatus allowing the automatic drawing out of beverages from bottles (wherein the bottles are kept in their vertical position) comprising a drawing tap (12) which permits the entering of the gas in the bottle, the drawing of the liquid and the cleaning of the spout channel (19) and allows an easy and hygienic substitution of the empty bottles.

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# INTERNATIONAL SEARCH REPORT

International Application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B67D1/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B67D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 616 767 A (CRUOVER SA) 23 December 1988 (1988-12-23)	1
A	page 7, line 20 -page 10, line 22; figure 1	12
A	DE 93 00 928 U (SCHULTZE, NORBERT) 11 March 1993 (1993-03-11)	2
A	page 4, line 9 -page 5, line 18; figures 1-3	
A	DE 199 48 471 A (TILL GEA GMBH & CO) 19 April 2001 (2001-04-19)	10
A	column 3, line 16 - line 30; figure 1	
A	US 5 507 411 A (PECKELS ARGANIOUS E) 16 April 1996 (1996-04-16)	10
	abstract	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Müller, C

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 93 07 040 U (FAC FRANK ABELS CONSULTING & TECHNOLOGY GMBH) 15 July 1993 (1993-07-15) -----	

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/03671

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2616767	A	23-12-1988	FR 2616767 A1	23-12-1988
DE 9300928	U	11-03-1993	DE 9300928 U1	11-03-1993
DE 19948471	A	19-04-2001	DE 19948471 A1	19-04-2001
			DE 29919150 U1	27-01-2000
			WO 0127019 A1	19-04-2001
			EP 1218286 A1	03-07-2002
US 5507411	A	16-04-1996	US 5505349 A	09-04-1996
			US 5255819 A	26-10-1993
			US 5044521 A	03-09-1991
			US 6409046 B1	25-06-2002
DE 9307040	U	15-07-1993	DE 9307040 U1	15-07-1993

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